



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Multiple sheets used when necessary)</i>	Application No.	10/543,017
	Filing Date	July 22, 2005
	First Named Inventor	Douglas Spencer Millar
	Art Unit	1637
SHEET 1 OF 5	Examiner	Suryaprabha Chunduru
	Attorney Docket No.	ALAR18.001APC

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	5,629,156	05-13-1997	Shah et al.	
	2	5,750,338	05-12-1998	Collins et al.	
	3	5,786,146	07-28-1998	Herman et al.	
	4	5,824,517	10-20-1998	Cleuziat et al.	
	5	5,952,174	09-14-1999	Nikiforov et al.	
	6	6,265,171	07-24-2001	Herman et al.	
	7	6,331,393	12-18-2001	Laird et al.	
	8	6,692,918	02-17-2001	Kurn	
	9	6,960,436	11-01-2005	Cottrell	
	10	2002/0086324	07-04-2002	Laird et al.	
	11	2002/0142397	10-03-2002	Collas et al.	
	12	2003/0073081	04-17-2003	Mukai et al.	
	13	2003/0119025	06-26-2003	Olek et al.	
	14	2005/0019762	01-27-2005	Alexander Olek	
	15	2005/0059003	03-17-2005	Enoki et al.	
	16	2005/0118578	06-02-2005	Mineno et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
	17	EP 1 319 718	06-18-2003	Van Eijk		
	18	EP 1 130 113	09-05-2001	Schouten		
	19	WO 1995/01456	01-12-1995	Gryaznov et al.		
	20	WO 1995/22623	08-24-1995	Landegren		
	21	WO 1997/41254	11-06-1997	Landegren		
	22	WO 1997/45559	12-04-1997	Belgrader		
	23	WO 1998/29108	07-09-1998	Feinberg		
	24	WO 1999/009211 A2	02-25-1999	Oultram et al.		
	25	WO 1999/049081 A2	09-30-1999	Mulrooney et al.		

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	26	WO 1999/14226	03/25/1999	Exiqon A/S		
	27	WO 2000/44934	08-03-2000	Olek		
	28	WO 2000/50869 A2	08-31-2000	Arnold et al.		
	29	WO 2001/09374 A2	02-08-2001	Berlin		√ abstract
	30	WO 2001/38565 A2	05-31-2001	Berlin		√ abstract
	31	WO 2001/42493 A2	06-14-2001	Olek et al.		√ abstract
	32	WO 2001/76451 A2	10-18-2001	Olek et al.		
	33	WO 2002/072880	09-19-2002	Olek et al.		√ abstract
	34	WO 2002/097065	12-05-2002	Intercytex Limited		
	35	WO 2002/38801	05-16-2002	Grigg et al.		
	36	WO 2002/46452	06-13-2002	Olek et al.		√ abstract
	37	WO 2003/008623 A2	01-30-2003	Van Ness et al.		
	38	WO 2003/048732	06-12-2003	Fan		
	39	WO 2004/015139	02-19-2004	Adjoran et al.		
	40	WO 2004/065625	08-02-2004	Millar et al.		
	41	WO 2004/090166	10-21-2004	Bernard et al.		
	42	WO 2005/056790 A1	06-23-2005	Uemori et al.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	43	Clark et al., "High sensitivity mapping of methylated cytosines." Nucleic Acids Research, 22(15): 2990-2997 (1994)	
	44	Clark, et al., " Bisulphite genomic sequencing of methylated cytosines." Laboratory Methods for the Detection of Mutations and Polymorphisms in DNA. Graham R. Taylor, Ed. CRC Press, New York (1997), pp.151-162	
	45	NCBI Database Accession Number M24485	
	46	Dean et al., "Comprehensive human genome amplification using multiple displacement amplification." PNAS, 99(8): 5261-5266 (2002)	
	47	Eads et al., "MethylLight: a high-throughput assay to measure DNA methylation." Nucleic Acids Research, 28(8)e32: i-viii (2000)	

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	48	Feil, et al., "Methylation analysis on individual chromoshomes: improved protocol for bisulphite genomic sequencing." (1994) Nucleic Acids Research 22(4): 695-696	
	49	Frommer et al., "A genomic sequencing protocol that yields a positive display of 5-methylcytosine residues in individual DNA strands," Proc. Natl. Acad. Sci. 89: 1827-1831 (1992)	
	50	Grigoriev et al., "A Triple Helix-forming Oligonucleotide-Intercalator Conjugate Acts as a Transcriptional Repressor via Inhibition of NFkB Binding to Interleukin-2 Receptor $\alpha$ -Regulatory Sequence." Journal of Biological Chemistry, 267 (5): 3389-3395 (1992)	
	51	Grunau, et al., "Bisulfite genomic sequencing: systematic investigation of critical experimental parameters." Nucleic Acid Research, (2001) Vol. 29, No 13e65, pp.1-7	
	52	Hakelien et al., "Reprogramming fibroblasts to express T-cell functions using cell extracts." Nature Biotechnology, 20(5): 460-466 (2002)	
	53	Hakelien et al., "Novel approaches to transdifferentiation", Cloning and Stem Cells, 4: 379-387 (2002)	
	54	Herman, et al., "Methylation-specific PCR-: a novel PCR assay for methylation status of CpG islands." (1996) Proc. Natl. Acad. Sci. 93:9821-9826	
	55	Hosono et al. "Unbiased Whole-Genome Amplification Directly from Clinical Samples." Genome Research; 13:954-964 (2003).	
	56	International Human Genome Sequencing Consrtium, "Initial sequencing and analysis of the human genome," Nature, 409(6822): 860-921 (2001)	
	57	International Preliminary Report on Patentability issued on the corresponding PCT Application No. PCT/AU2006/000698, dated April 20, 2007	
	58	International Search Report Issued on the corresponding PCT Application No. PCT/AU2006/000698, dated August 1, 2006	
	59	Kinoshita et al., "Methylation of the androgen receptor minimal promoter silences transcription in human prostate cancer." Cancer Research, 60(13): 3623-3630 (July 1, 2000)	
	60	Kono, "Nuclear transfer and reprogramming." Reviews of Reproduction, Vol. 2 No. 2, pp. 74-80 (May 1997)	
	61	Millar et al., "A distinct sequence (ATAAA) n separates methylated and unmethylated domains at the 5'-end of the GSTP1 CpG island," J. Biol. Chem., 275(32): 24893-24899 (2000)	
	62	Millar et al., "Detailed methylation analysis of the glutathione S-transferase pi (GSTP1) gene in prostate cancer," Oncogene 18(6): 1313-1324	
	63	Monk, "Epigenetic programming of differential gene expression in development and evolution" Dev. Genetics, Vol. 17, pp.188-197 (1995)	
	64	Newton et al., "The production of PCR products with 5' single-stranded tails using primers that incorporate novel phosphoramidite intermediates." Nucleic Acid Res. Vol. 21 No. 5, pp.1155-1162 (1993)	
	65	Nilsson et al., "Padlock Probes: Circularizing oligonucleotides for localized DNA Detection", Science; 265:2085-2088 (1994)	
	66	Office Action in U.S. Application No. 10/416,637 dated May 4, 2006, Our Ref. ALAR13.001APC	

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	67	Office Action in U.S. Application No. 10/428,310 dated August 31, 2006, Our Ref. ALAR12.001AUS	
	68	Office Action in U.S. Application No. 10/428,310 dated January 4, 2006, Our Ref. ALAR12.001AUS	
	69	Office Action in U.S. Application No. 10/428,310 dated July 5, 2006, Our Ref. ALAR12.001AUS	
	70	Office Action in U.S. Application No. 10/428,310 dated November 3, 2006, Our Ref. ALAR12.001AUS	
	71	Office Action in U.S. Application No. 10/536,633 dated April 4, 2007, Our Ref. ALAR16.001APC	
	72	Office Action in U.S. Application No. 10/536,633 dated January 25, 2007, Our Ref. ALAR16.001APC	
	73	Okada, et al., "Sequence Determination of Rat U5 RNA Using a Chemical Modification Procedure for Counteracting Sequence Compression." (1982) J. Biochem. 91: 1281-1291	
	74	Olek, et al. "A modified and improved method for bisulphite based cytosine methylation analysis." (1996) Nucleic Acids Research, 24(24): 5064-5066	
	75	Paulin et al., "Urea improves efficiency of bisulphite-mediated sequencing of 5'-methylcytosine in genomic DNA." Nucleic Acid Research, 26(21): 5009-5010 (November 1, 1998)	
	76	Pietrobono et al., "Quantitative analysis of DNA demethylation and transcriptional reactivation of the FMR1 gene in fragile X cells treated with 5-azadeoxycytidine." Nucleic Acids Research, 30(14): 3278-3285 (2002)	
	77	Raizis et al., "A Bisulfite Method of 5-Methylcytosine mapping that minimizes template degradation", Anal. Biochem., 226: 161-166 (1995)	
	78	Rein et al., "Identifying 5-methylcytosine and related modifications in DNA genomes." Nucleic Acids Research, 26 (10): 2255-2264 (May 15, 1998)	
	79	Robertson et al., Blood 90: 4480-4484 (1997)	
	80	Sakaguchi et al. "Cautionary Note on the Use of dUMP-Containing PCR Primers with <i>Pfu</i> and Vent <sub>R</sub> ® DNA Polymerases." <i>Biotechniques</i> ; 21(3):368 & 370 (1996).	
	81	Sakashita et al., "Dynamic DNA Methylation change in the CpG island region of p15 during human myeloid development", J. Clin. Invest., 108: 1195-1204 (2001)	
	82	Shapiro et al., "Deamination of cytosine derivatives by bisulfite. Mechanism of the reaction," J. Am. Chem. Soc., 96: 906-912 (1974)	
	83	Specification and Preliminary Amendment from co-pending U.S. Application No. 10/555,465, filed August 28, 2006	
	84	Tada et al., "Embryonic germ cells induce epigenetic reprogramming of somatic nucleus in hybrid cells." The EMBO Journal, 16(21): 6510-6520 (1997)	
	85	Telenius et al. "Degenerate Oligonucleotide-Primed PCR: General Amplification of Target DNA by a Single Degenerate Primer." <i>Genomics</i> ; 13(3):718-725 (1992).	

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	86	Tohgi et al., "Decrease with age in methylcytosines in the promoter region of receptor for advanced glycosylated end products (RAGE) gene in autopsy human cortex", Molecular Brain Research, 65:124-128 (1999)	
	87	Venter et al., "The sequence of the human genome," Science, 292 (5523): 1304-1351(2001)	
	88	Warnecke et al., "Detection and measurement of PCR bias in quantitative methylation analysis of bisulphite-treated DNA," Nucleic Acids Research, Vol. 25 No. 21, pp.4422-4426, (1997)	
	89	Xiong et al., "COBRA: a sensitive and quantitative DNA methylation assay." (1997) Nucleic Acids Research, 25 (12): 2532-2534	

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